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Reviewer: Anne Corrigan

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Application No: 10561583 Version No: 1.1

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# SEQUENCE LISTING

<110> UMC Utrecht Holding B.V.  
 Van Wamel, Willem Jan Bastiaan  
 Rooijakkers, Suzan Huberdina Maria  
 Van Kessel, Cornelis Petrus Maria  
 Van Strijp, Johannes Antonius Gerardus

<120> Therapeutic use of LPI, a staphylococcal lectin pathway inhibitor  
 in inflammatory diseases

<130> L/2BD29/2

<140> 10561583  
 <141> 2005-12-19

<150> PCT/EP2004/007606  
 <151> 2004-08-07

<150> EP 03 077 138.0  
 <151> 2003-07-08

<160> 20

<170> PatentIn version 3.2

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 <223> Figure 2a, LPI gene of NCTC 8325

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 tagcaatcgt ttttagcatca ccactagtaa ctaattctaga taaaaatgag gcacaagcta 180  
 gcacaagctt gccaacatcg aatgaatatc aaaacgaaaa gtttagctaatt gaattaaaat 240  
 cgttattaga tgaactaaat gttaatgaat tagctactgg aagtttaaact acttattata 300  
 agcgaactat aaaaatttca ggtcaaaaag caatgtatgc tcttaagtca aaagacttta 360  
 agaaaatgtc agaagcaaaa tatcaacttc aaaagattta taacgaaatt gacgaagcac 420  
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tagcaatcgt tttagcatca ccactagtaa ctaatctaga taaaaatgag gcacaagcta 180  
gcacaagctt gccaacatcg aatgaatatc aaaacgaaaa gttagctaata gaattaaaat 240  
cggtattaga tgaactaaat gttaatgaat tagctactgg aagtttaaact acttattata 300  
agcgaactat aaaaatttca ggtctaaaag caatgtatgc tcttaagtca aaagacttta 360  
agaaaatgtc agaagcaaaa tatcaacttc aaaagattta taacgaaatt gacgaagcac 420  
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Ala Ser Pro Leu Val Thr Asn Leu Asp Lys Asn Glu Ala Gln Ala Ser  
20 25 30  
Thr Ser Leu Pro Thr Ser Asn Glu Tyr Gln Asn Glu Lys Leu Ala Asn  
35 40 45  
Glu Leu Lys Ser Leu Leu Asp Glu Leu Asn Val Asn Glu Leu Ala Thr  
50 55 60

Gly Ser Leu Asn Thr Tyr Tyr Lys Arg Thr Ile Lys Ile Ser Gly Gln  
65 70 75 80

Lys Ala Met Tyr Ala Leu Lys Ser Lys Asp Phe Lys Lys Met Ser Glu  
85 90 95

Ala Lys Tyr Gln Leu Gln Lys Ile Tyr Asn Glu Ile Asp Glu Ala Leu  
100 105 110

Lys Ser Lys Tyr  
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<223> Figure 3, LPI protein of N315

<400> 4

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Thr Ser Leu Pro Thr Ser Asn Glu Tyr Gln Asn Glu Lys Leu Ala Asn  
35 40 45

Glu Leu Lys Ser Leu Leu Asp Glu Leu Asn Val Asn Glu Leu Ala Thr  
50 55 60

Gly Ser Leu Asn Thr Tyr Tyr Lys Arg Thr Ile Lys Ile Ser Gly Leu  
65 70 75 80

Lys Ala Met Tyr Ala Leu Lys Ser Lys Asp Phe Lys Lys Met Ser Glu  
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Ala Lys Tyr Gln Leu Gln Lys Ile Tyr Asn Glu Ile Asp Glu Ala Leu  
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Lys Ser Lys Tyr

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 <223> Figure 3, LPI-B

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Ser Ser Thr Gly Ile Ala Thr Ile Glu Gly Asn Lys Ala Asp Ala Ser  
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 35 40 45

Ala Glu Glu Leu Arg Thr Leu Leu Asn Lys Ser Asn Val Tyr Ala Leu  
 50 55 60

Ala Ala Gly Ser Leu Asn Pro Tyr Tyr Lys Arg Thr Ile Met Met Asn  
 65 70 75 80

Glu Tyr Arg Ala Lys Ala Ala Leu Lys Lys Asn Asp Phe Val Ser Met  
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Ile Ile Asn Arg  
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Ser Thr Thr Ala Val Ser Thr Leu Asp Gly Asn Lys Ala Asp Ala Ser  
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Ser Lys Lys Asp Tyr Ile Ile Gln Ser Glu Phe His Asp Lys Arg Ile  
35 40 45

Ala Glu Glu Leu Lys Ser Leu Leu Asp Gln Ser Tyr Val Asn Asp Leu  
50 55 60

Ala Ala Gly Ser Leu Asn Pro Tyr Tyr Lys Arg Met Ile Met Met Asn  
65 70 75 80

Gln Tyr Arg Ala Lys Ala Ala Leu Lys Ser Asn Asn Phe Ala Lys Met  
85 90 95

Ala Glu Ala Lys Val Gly Leu Glu Asn Ile Tyr Lys Glu Ile Asp Glu  
100 105 110

Ile Ile Asn Arg  
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<223> Figure 3, LPI-D protein of NCTC 8325

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Ala Ala Leu Leu Asp Thr Thr Gly Ile Lys Leu Ala Ser Lys Ser Glu  
20 25 30

Thr Thr Ser His Thr Tyr Gln His Gln Ala Leu Val Asp Gln Leu His  
35 40 45

Glu Leu Ile Ala Asn Thr Asp Leu Asn Lys Leu Ser Tyr Leu Asn Leu  
50 55 60

Asp Ala Phe Gln Lys Arg Asp Ile Leu Ala Ala His Tyr Ile Ala Lys  
65 70 75 80

Ser Ala Ile Arg Thr Lys Asn Leu Asp Gln Met Thr Lys Ala Lys Gln  
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Arg Leu Glu Ser Ile Tyr Asn Ser Ile Ser Asn Pro Leu His Ser Gln  
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Asn Asn

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Met Thr Thr Gln Met Lys Ile Lys Thr Tyr Leu Val Ala Gly Ile Lys  
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Ala Ala Leu Leu Asp Thr Thr Gly Ile Lys Leu Ala Ser Lys Ser Glu  
20 25 30

Thr Thr Ser His Thr Tyr Gln His Gln Ala Leu Val Asp Gln Leu His  
35 40 45

Glu Leu Ile Ala Asn Thr Asp Leu Asn Lys Leu Ser Tyr Leu Asn Leu  
50 55 60

Asp Ala Phe Gln Lys Arg Asp Ile Leu Ala Ala His Tyr Ile Ala Lys  
65 70 75 80

Ser Ala Ile Arg Thr Lys Asn Leu Asp Gln Met Thr Lys Ala Lys His  
85 90 95



Arg Leu Glu Ser Ile Tyr Asp Ser Ile Ser Asn Pro Leu His Ser Gln  
100 105 110

Asn Asn

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tcatcaactg ggatagcaac tatagaaggg aataaagcag atgcaagtag tctggacaaa 120  
tatttaactg aaagtcagtt tcatgataaa cgcatagcag aagaattaag aactttactt 180  
aacaaatcga atgtatatgc attagctgca ggaagcttaa atccatatta taaacgtacg 240  
attatgatga atgaatatag agctaaagcg gcacttaaga aaaatgattt cgtatcaatg 300  
gctgatgcta aagttgcatt agaaaaata tacaagaaa ttgatgaaat tataaataga 360  
taat 364

<210> 10  
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<223> Figure 2b, LPI-C gene

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tatataattc aaagtgagtt tcatgataaa cgaattgctg aagaattgaa atcattactt 180  
gatcaatctt atgtaaatga tttagctgca ggaagcttaa acccactacta caaacgtatg 240  
attatgatga accaatatag agcaaaagca gcactaaaaa gtaataattt cgcaaaaatg 300  
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<223> Figure 2b, LPI-D gene of NCTC 8325

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tacgtatcaa catcaagcgc ttgtagatca attaccatgaa ttaatagcaa acactgactt 180  
aaataaatta tcgtacctaa atttagatgc gtttcaaaaa cgcgatattt tagctgcgca 240  
ctatattgca aaatccgcta tacgcactaa aaatttggat caaatgacta aagcgaaaca 300  
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<223> Figure 2b, LPI-D gene of N315

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tacgtatcaa catcaagcgc ttgtagatca attaccatgaa ttaatagcaa acactgactt 180  
aaataaatta tcgtacctaa atttagatgc gtttcaaaaa cgcgatattt tagctgcgca 240  
ctatattgca aaatccgcta tacgcactaa aaatttggat caaatgacta aagcgaaaca 300  
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attca 365

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29

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<220>  
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<400> 19  
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21

<210> 20  
<211> 27  
<212> DNA  
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<220>  
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27